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NOTICE OF ALLOWANCE AND FEE(S) DUE

2617 DATE MAILED: 03/26/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620.402	07/16/2003	William J. Semper	SAMS01-00261	2926

TITLE OF INVENTION: SYSTEM AND METHOD FOR CONTROLLING QUALITY OF SERVICE IN A WIRELESS NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/28/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE DEE and DURI ICATION DEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth tions.	ng the Patent, advanc nerwise in Block 1, b	e orders and notification by (a) specifying a new	n of n	naintenance fees w pondence address;	ill be and/or	mailed to the current r (b) indicating a sepa	corres trate "I	pondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, muchave its own certificate of mailing or transmission.					other accompanying
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APPLICATION NO.	PPLICATION NO. FILING DATE		FIRST NAMED INVE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.		CON	FIRMATION NO.
10/620,402 TITLE OF INVENTION	07/16/2003 SYSTEM AND METE	OD FOR CONTROL		William J. Semper SAMS01-00261 LING QUALITY OF SERVICE IN A WIRELESS NETWORK				2926	
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		06/28/2010
EXAM		ART UNIT	CLASS-SUBCLAS	SS					
VU, MIC		2617	370-328000		atent front page, lis				
I. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form FTO/SB/1/22) attached. Jeffee Address' indication (or "Fee Address" Indication form FTO/SB/47 Rev 03-02 or more recent) attached. Use of a Customer Number is required.			c agents OR, alternatively, (2) the name of a single firm (having as a member a 2						
3. ASSIGNEE NAME A PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIGNATION Please check the appropri	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assig sletion of this form is	nee data will appear on NOT a substitute for filit (B) RESIDENCE: (the pang an	atent. If an assign assignment. and STATE OR C	OUNT	TRY)		
4a. The following fee(s) Issue Fee Publication Fee (N	vo small entity discount p	permitted)	4b. Payment of Fee(s): A check is enclo Payment by crec The Director is b overpayment, to	osed. dit can nereby	d. Form PTO-2038	is atta	iched. required fee(s), any de	ficienc	
	s SMALL ENTITY state	is. See 37 CFR 1.27.					ITTY status. Sec 37 Ci		
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be acc tes Patent and Trader	epted from anyone other nark Office.	than ti	ne applicant; a regi	stered.	attorney or agent; or th	ne assig	nee or other party in
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/620,402	2 07/16/2003		William J. Semper	SAMS01-00261	2926	
23990	7590	03/26/2010		EXAMINER		
DOCKET C	DOCKET CLERK			VU, MICHAEL T		
P.O. DRAWI				ART UNIT	PAPER NUMBER	
DALLAS, TX 75380				2617		
				DATE MAILED: 03/26/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 974 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 974 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)		
10/620,402	SEMPER ET AL.		
Examiner	Art Unit		
MICHAEL T. VU	2617		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 11/12/2009.
- 2. The allowed claim(s) is/are 1-21.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - b) \(\subseteq \text{Some* c) \subseteq \text{None of the:}
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. __
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1.

 Notice of References Cited (PTO-892)
- Notice of Draftperson's Patent Drawing Review (PTO-946).
- Information Disclosure Statements (PTO/SB/08). Pacer No./Mail Date
- 4. T Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- 6 Interview Summery (PTO-413) Paper No./Mail Date
- 7. T Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. ☐ Other

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DETAILED ACTION

Allowable Subject Matter

- Claims 1-21 are allowed.
- The following is an examiner's statement of reasons for allowance:

With respect to claims 1, 8, and 15, the closest prior art, Chandrashekhar (US 2003/0140131) teaches to the field of communications systems, more particularly, relates to a system and method for dynamic management of Internet Protocol (IP) Virtual Private Networks, and Virtanen (US 6,879,834) teaches a method of limiting the quality of service of data transmission in a wireless telecommunications system, in which the quality of service of data transmission is defined by means of quality of service parameters, alone or in combination, the limitations of claims 1, 8, and 15 as set forth above.

But Chandrashekhar and Virtanen fail to anticipate or render obvious, alone or in combination, the features of determining quality-of-service parameters according to the quality-of-service profile and the first application information, the quality-of-service parameters used to process communication to the mobile station during the packet data call, wherein the quality-of-service parameters are changeable during the packet data call upon receipt of information corresponding to a second application of the mobile station, as set forth in claims 1, 8, and 15.

Dependent Claims 2-7, 9-14, and 16-21 are allowable for the same reason as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Immonen (US 7,006,472) teaches a mechanism is provided for supporting differentiated services (quality of service) in a radio network. A radio access system is provided which supports the quality of service in data packet transmission over its air interface.

Borella (US 6,940,836) teaches method and apparatus for indicating quality of service to a radio access network.

Smith (US 6,934,258) teaches a Quality of service based transitioning between alternate transport paths.

Adamczyk (US 7,573,906) teaches a methods, computer program products, and systems for managing quality of service in a communication network for applications.

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Lamarque (US 6,690,651) teaches a method and apparatus for automatic transfer of a call in a communications system in response to changes in quality of service.

Besset-Bathias (US 7,024,202) teaches a method of processing UMTS calls in a packet transmission network and node for the UMTS network and for implementing said method.

Havens (US 6,735,175) teaches changing quality of service for voice over IP calls.

Lee (US 2005/0055220) teaches method for providing service based on service quality and an accounting method in a mobile communication system.

Jin (US 7,408,940) teaches use of precedence bits for quality of service.

Cheng (US 7,336,632) teaches apparatus and associated method for selecting quality of service related information in a radio communication system.

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles N. Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/MICHAEL T VU/ Examiner, Art Unit 2617

/Charles N. Appiah/ Supervisory Patent Examiner, Art Unit 2617